Journal of Molecular Structure, 275 (1992) 263
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Alejska, M., 167
Antonenko, G.V., 181

Bally, T., 247
Baran, J., 233
Bratek-Wiewiórowska, M.D., 167
Bukowska, J., 145, 151

Czarnecki, M.A., 111

Dega-Szafran, Z., 159
Dobrowolski, J.Cz., 201, 209
Dozov, I., 55
Dryjański, P., 135

Figlerowicz, M., 167
Ford, T.A., 33

Gburski, Z., 129
Gębicki, J., 105, 247
Godlewska, M., 219
Grundwald-Wyspiańska, M., 159
Gruszka, M., 129
Guangfu, Z., 85
Guzowska-Swider, B., 223

Hawranek, J.P., 111, 123
Hippe, Z.S., 223

Jamróz, M.H., 201, 209

Kęcki, Z., 135
Kirov, N., 55
Kocot, A., 219
Kolomiytsova, T.D., 181
Konarski, J., 1
Kondaurov, V.A., 181
Kuberski, S., 105
Kudelski, A., 145

Marcinek, A., 247
Mazurek, A.P., 201
Michalak, J., 247
Mokomela, T.D., 33
Molski, M., 13

Nakamoto, K., 95
Ning, G., 85

Proniewicz, L.M., 95
Ptak, W.S., 23

Ratajczak, H., 233
Rencken, I., 33
Rogowski, J., 247

Sarzyńska, J., 167
Sciesińska, E., 219
Sciesiński, J., 219
Shchepkin, D.N., 181
Shiquan, X., 85
Sokołowska, A., 255
Surma, K., 167
Szafran, M., 159
Szostak, R., 123

Tang, W., 247
Tkacz, K., 23

Wesełucha-Birczyńska, A., 95
Wiewiórowski, M., 167
Wrzeszcz, W., 111

Yaremko, A.M., 233
Yeo, G.A., 33

Zhbankov, R.G., 65

Journal of Molecular Structure, 275 (1992) 265
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Adsorbate–surface interaction,
Surface-enhanced Raman scatterng spectra as a probe of adsorbate–surface interaction, 151
o-Aminophenol,
The use of SERS to probe the adsorption and oxidation of *o*-aminophenol on the silver electrode, 145
Atomic fluids,
Interaction-induced light scattering in atomic fluids — a two-body contribution studied by MD simulations, 129

tert-Butyl bromide,
Vibrational and reorientational relaxation in liquid *tert*-butyl bromide and *tert*-butyl bromide-d_9, 123
tert-Butyl bromide-d_9,
Vibrational and reorientational relaxation in liquid *tert*-butyl bromide and *tert*-butyl bromide-d_9, 123

$[n\text{-}C_{16}H_{33}NH_3]_2CoCl_4$,
An infrared spectroscopic study of the structural phase transition in the perovskite-type layer compound $[n\text{-}C_{16}H_{33}NH_3]_2CoCl_4$, 85
6C–H···O5′,
A new outlook on the nature of short intramolecular non-bonded contacts between 6C–H···O5′ in the crystals of pyrimidine nucleosides and their salts, 167
Carbohydrates,
Vibrational spectra and structure of mono- and polysaccharides, 65
Carbon monoxide,
Ab initio molecular orbital calculations of the infrared spectra of interacting water molecules. Part 2. Complexes of water with carbon monoxide and nitrogen, 33
$CDCl_3$,
Thin film transmission spectra of liquid $CDCl_3$ in the infrared, 111
CF_3CCH complexes,
Infrared spectra of CF_3CCH complexes with various proton acceptors in liquid argon, 181
Charge density,
Force constants for homonuclear molecules from model charge density, 23
CO_2,
Infrared evidence for CO_2 electron donor–acceptor complexes, 209
Co(TPP-d_8),
Simultaneous observation of ν(O–O), ν(Co–O2) and δ(CoOO) in resonance Raman spectra of five- and six-coordinate dioxygen adducts of Co(TPP-d_8), 95
$CsHSeO_4$,
Fermi resonances in the vibrational spectra of $CsHSeO_4$ crystals, 233

4,4′-Di-*n*-butyloxyazoxybenzene,
Mid-infrared study of the polymorphism of 4,4′-di-*n*-butyloxyazoxybenzene, 219
Diatomic molecules,
A new expansion of the rovibrational energy of diatomic molecules, 13
Dichloromethane,
IR study on double hydrogen bonding in dichloromethane, 201
Dioxygen adducts,
Simultaneous observation of ν(O–O), ν(Co–O_2) and δ(CoOO) in resonance Raman spectra of five- and six-coordinate dioxygen adducts of Co(TPP-d_8), 95
Double hydrogen bonding,
IR study on double hydrogen bonding in dichloromethane, 201

Electrolyte effect,
Raman study of the electrolyte effect on the resonance intermolecular coupling and the Fermi resonance of liquid water, 255
Electron donor–acceptor complexes,
Infrared evidence for CO_2 electron donor–acceptor complexes, 209
Enol radical cations,
Spontaneous hydrogen-atom transfer upon ionization: characterization of enol radical cations, 247

Fermi resonance,
Raman study of the electrolyte effect on the resonance intermolecular coupling and the Fermi resonance of liquid water, 255
Fermi resonances,
Fermi resonances in the vibrational spectra of $CsHSeO_4$ crystals, 233

Homonuclear molecules,
Force constants for homonuclear molecules from model charge density, 23
Hydrogen-atom transfer,
Spontaneous hydrogen-atom transfer upon ionization: characterization of enol radical cations, 247
Hydrophobic hydration,
Is there a hydrophobic hydration in aqueous tetraalkylammonium salt solutions? An infrared study, 135

Interaction-induced light scattering,
Interaction-induced light scattering in atomic fluids — a two-body contribution studied by MD simulations, 129
Intramolecular hydrogen bonds,
Evidence for single-minimum potentials for intramolecular hydrogen bonds of substituted picolinic acid *N*-oxides, 159

Ketene intermediate,
Evidence for a ketene intermediate in the photochemical transformation of matrix-isolated *o*-nitrobenzaldehyde 105

Liquid argon,
Infrared spectra of CF_3CCH complexes with various proton acceptors in liquid argon, 181

o-Nitrobenzaldehyde,
Evidence for a ketene intermediate in the photochemical transformation of matrix-isolated *o*-nitrobenzaldehyde 105
Nitrogen,
Ab initio molecular orbital calculations of the infrared spectra of interacting water molecules. Part 2. Complexes of water with carbon monoxide and nitrogen, 33
Non-bonded contacts,
A new outlook on the nature of short intramolecular non-bonded contacts between 6C–H···O5′ in the crystals of pyrimidine nucleosides and their salts, 167

Organic compounds,
Structure elucidation of organic compounds aided by the computer program system SCANNET, 223

Perovskite-type layer compound,
An infrared spectroscopic study of the structural phase transition in the perovskite-type layer compound $[n\text{-}C_{16}H_{33}NH_3]_2CoCl_4$, 85
Picolinic acid *n*-oxides,
Evidence for single-minimum potentials for intramolecular hydrogen bonds of substituted picolinic acid *N*-oxides, 159
Polymorphism,
Mid-infrared study of the polymorphism of 4,4′-di-*n*-butyloxyazoxybenzene, 219
Pyrimidine nucleosides,
A new outlook on the nature of short intramolecular non-bonded contacts between 6C–H···O5′ in the crystals of pyrimidine nucleosides and their salts, 167

Relaxation,
Vibrational and reorientational relaxation in liquid *tert*-butyl bromide and *tert*-butyl bromide-d_9, 123

Resonance intermolecular coupling,
Raman study of the electrolyte effect on the resonance intermolecular coupling and the Fermi resonance of liquid water, 255
Rovibrational energy,
A new expansion of the rovibrational energy of diatomic molecules, 13
Rovibrational spectra,
High-resolution rovibrational spectra, 1

SCANNET,
Structure elucidation of organic compounds aided by the computer program system SCANNET, 223
SERS,
Surface-enhanced Raman scattering spectra as a probe of adsorbate–surface interaction, 151
The use of SERS to probe the adsorption and oxidation of *o*-aminophenol on the silver electrode, 145
Silver electrode,
The use of SERS to probe the adsorption and oxidation of *o*-aminophenol on the silver electrode, 145
Single-minimum potentials,
Evidence for single-minimum potentials for intramolecular hydrogen bonds of substituted picolinic acid *N*-oxides, 159
Soft body model,
High-resolution rovibrational spectra, 1

Tetraalkylammonium salt solutions,
Is there a hydrophobic hydration in aqueous tetraalkylammonium salt solutions? An infrared study, 135
Thin film transmission spectra,
Thin film transmission spectra of liquid $CDCl_3$ in the infrared, 111
Thin organic films,
Raman and resonance Raman scattering of rotational dynamics, orientational order and molecular geometry of thin organic films, 55

Water,
Ab initio molecular orbital calculations of the infrared spectra of interacting water molecules. Part 2. Complexes of water with carbon monoxide and nitrogen, 33